

Answers for Lab 15

Exercise 15.1.1

7. Rerun model, display results and compare to the previous results
How does the stage behave?

Exercise 15.2.1

2. Find the controllers for the SR29 structures:
 - What are the inputs to the controller?
 - What is the file with the control variables?
 - What does the control rule in SR29_seasonalctrl.cc do?
 - What watermovers does this control?
 - What does the control behavior look like?
 - What are the flow values for the structures?

Exercise 15.2.1

7. Observe the following data using HecDssVue from the RSM GUI:
 - Cell heads (cellheads.dss) Find the cell locations and WCU using the Groundwater Modeling System? (GMS) graphic for mesh and network, **Fig. 15.1** in the Answer-lab15 file
 - What do these values indicate?
 - Segment heads (segmentheads.dss)
 - Which WCUs become flooded?
 - Structure flows (structureflows.dss)
 - Nodeflows
 - Plot the QWS and QFC for a couple of nodes. What do you see?
14. Use HecDssVue and plot the “forest” time series with the “turf” time series.
 - How have the cell and segment heads changed from the forest HPMS?
 - How have the nodeflows changed?
 - How has the number of iterations changed?
20. Run **mse_network.xml** and observe the results:
 - cellheads.dss
 - segmentheads.dss
 - nodeflows.dss
 - How have the cell and segment heads changed?
 - How have the nodeflows changed?